



IFWO

## RAW SEQUENCE LISTING

DATE: 08/30/2004

PATENT APPLICATION: US/10/762,040

TIME: 13:07:00

Input Set : A:\US10-762040.txt

Output Set: N:\CRF4\08302004\J762040.raw

3 <110> APPLICANT: YON, Jeff  
 4 TICKLE, Ian  
 5 SHARFF, Andrew  
 6 CLEASBY, Anne  
 7 BRUINZEEL, Wouter David  
 8 MASURE, Stefan Leo Jozef  
 10 <120> TITLE OF INVENTION: Novel BACE Proteins, Nucleic Acid Molecules Therefor, Novel  
 11 Crystal Structure of Novel BACE Proteins, and Methods for Making  
 12 and Using  
 14 <130> FILE REFERENCE: 43962-010910  
 16 <140> CURRENT APPLICATION NUMBER: 10/762,040  
 17 <141> CURRENT FILING DATE: 2004-01-21  
 19 <150> PRIOR APPLICATION NUMBER: PCT/GB02/03461  
 20 <151> PRIOR FILING DATE: 2002-07-26  
 22 <150> PRIOR APPLICATION NUMBER: 60/308,366  
 23 <151> PRIOR FILING DATE: 2001-07-26  
 25 <160> NUMBER OF SEQ ID NOS: 72  
 27 <170> SOFTWARE: PatentIn version 3.2  
 29 <210> SEQ ID NO: 1  
 30 <211> LENGTH: 2526  
 31 <212> TYPE: DNA  
 32 <213> ORGANISM: Homo sapiens  
 34 <400> SEQUENCE: 1



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39	ggggaccagg	gaagccgcca	ccggcccgcc	atgcccgccc	ctcccagccc	cgccggggagc	180
41	ccgcgcccgc	tgcccaggct	ggccgcgcgc	gtgccgatgt	agcgggctcc	ggatcccagc	240
43	ctctcccctg	ctcccgtgct	ctgccgatct	ccctgaccg	ctctccacag	cccggaccgc	300
45	ggggctggcc	cagggccctg	caggccctgg	cgtcctgatg	cccccaagct	ccctctcctg	360
47	agaagccacc	agcaccaccc	agacttgggg	gcaggcgcca	gggacggacg	tgggcccagt	420
49	cgagcccaga	gggcccgaag	gcccggggccc	accatggccc	aagccctgcc	ctggctcctg	480
51	ctgtggatgg	gcgcggggag	gctgccctgc	cacggcaccc	agcacggcat	ccggctgccc	540
53	ctgcgccagc	gcctgggggg	cgccccctg	gggctgcggc	tgccccggga	gaccgacgaa	600
55	gagcccagag	agcccggccg	gaggggcagc	tttgtggaga	tgggtggaaa	cctgaggggc	660
57	aagtcggggc	agggctacta	cgtggagatg	accgtgggca	gccccccgca	gacgctcaac	720
59	atcctggtgg	atacaggcag	cagtaacttt	gcagtgggtg	ctgcccccca	ccccctcctg	780
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63	gtgccctaca	cccagggcaa	gtgggaagg	gagctgggca	ccgacctggg	aagcatcccc	900
65	catggcccca	acgtcactgt	gcgtgccaac	attgctgcc	tactgaatc	agacaagttc	960
67	ttcatcaacg	gtcccaactg	ggaaggcatc	ctggggctgg	cctatgctga	gattgccagg	1020
69	cctgacgact	ccctggagcc	tttctttgac	tctctggtaa	agcagaccca	cgttcccaac	1080
71	ctcttctccc	tgcagctttg	tgggtgctgg	ttccccctca	accagtctga	agtgtctggc	1140
73	tctgtcggag	ggagcatgat	cattggagg	atcgaccact	cgtgtacac	aggcagtc	1200

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77 aatggacagg atctgaaaat ggactgcaag gagtacaact atgacaagag cattgtggac 1320
79 agtggcacca ccaaccttcg tttgcccagg aaagtgtttg aagctgcagt caaatccatc 1380
81 aaggcagcct cctccacgga gaagttccct gatggtttct ggctaggaga gcagctgggtg 1440
83 tgctggcaag caggcaccac cccttggaaac attttcccag tcatctcact ctacctaatg 1500
85 ggtgaggtta ccaaccagtc ctccgcacac accatccttc cgcagcaata cctgcggcca 1560
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95 acagatgagt caacctcat gaccatagcc tatgtcatgg ctgccatctg cgcctcttc 1860
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99 catgatgact ttgtgatga catctccctg ctgaagttag gaggcccatg ggcagaagat 1980
101 agagattccc ctggaccaca cctccgtggt tcactttggt cacaagtagg agacacagat 2040
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107 agaagaaaga agcactctgc tggcggggaat actcttggtc acctcaaatt taagtccgga 2220
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111 acccaaagta ttcttctttt cttagtttca gaagtactgg catcacacgc aggttacctt 2340
113 ggcgtgtgtc cctgtggtac cctggcagag aagagaccaa gcttgtttcc ctgctggcca 2400
115 aagtcagtag gagaggatgc acagtttgct atttgcttta gagacaggga ctgtataaac 2460
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125 <213> ORGANISM: Homo sapiens
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132 ctgcggctgc cccgggagac cgaagagag cccgaggagc ccggccggag gggcagcttt 180
134 gtggagatgg tggacaacct gaggggcaag tccgggcagg gctactacgt ggagatgacc 240
136 gtgggcagcc ccccgagac gctcaacatc ctggtggata caggcagcag taactttgca 300
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148 ctggtaaaagc agaccacagt tcccacctc ttctccctgc agctttgtgg tgcctggcttc 660
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174 gtcattggctg ccattctgcgc cctcttcatg ctgccactct gcctcatggg gtgtcagtgg 1440
176 cgctgcctcc gctgcctgcg ccagcagcat gatgactttg ctgatgacat ctccctgctg 1500
178 aagtgaggag gcccatgggc agaagataga gattccccctg gaccacacct ccgtggttca 1560
180 ctttgggtcac aatgcctctg cacagatggc acctgtggcc agagcacctc aggacctcc 1620
182 ccaccaccaa aatgcctctg ccttgatgga gaaggaaaag gctggcaagg tgggttccag 1680
184 ggactgtacc tgtaggaaac agaaaagaga agaaagaagc actctgctgg cgggaatact 1740
186 cttggtcacc tcaaatttaa gtccggaaat tctgctgctt gaaacttcag ccctgaacct 1800
188 ttgtccacca ttcttttaaa ttctccaacc caaagtattc ttcttttctt agtttcagaa 1860
190 gtactggcat cacacgcagg ttaccttggc gtgtgtccct gtggtacctt ggcagagaag 1920
192 agaccaagct tgtttccctg ctggccaaag tcagtaggag aggatgcaca gtttgctatt 1980
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202 <213> ORGANISM: Homo sapiens
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211 <213> ORGANISM: Homo sapiens
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218 ctgcggctgc cccgggagac cgacgaagag cccgaggagc ccggccggag gggcagcttt 180
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226 taccgggacc tccggaaggg tgtgtatgtg ccctacaccc agggcaagtg ggaaggggag 420
228 ctgggcaccg acctggtaag catcccccat ggcccccaacg tcaactgtgc tgccaacatt 480
230 gctgccatca ctgaatcaga caagttcttc atcaacggct ccaactggga aggcatectg 540
232 gggctggcct atgctgagat tgccaggcct gacgactccc tggagccttt ctttgactct 600
234 ctggtaaaag agaccacgt tcccaacctc ttctccctgc agctttgtgg tgctggcttc 660
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244 gtgtttgaag ctgcagtcaa atccatcaag gcagcctcct ccacggagaa gtccctgat 960
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248 ttcccagtc tctactcta cctaattggg gaggttacca accagtcctt ccgcatcacc 1080
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252 tacaagtttg ccatttcaca gtcattccac ggcactgtta tgggagctgt tatcatggag 1200
254 ggcttctacg ttgtctttga tggggccga aaacgaattg gctttgctgt cagcgcttgc 1260
256 catgtgcacg atgagttcag gacggcagcg gtggaaggcc cttttgtcac cttggacatg 1320
258 gaagactgtg gctacaacat tccacagaca gatgagtcaa ccctcatgac catagcctat 1380
260 gtcattggctg ccattctgcgc cctcttcatg ctgccactct gcctcatggg gtgtcagtgg 1440

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269 <212> TYPE: DNA
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272 <400> SEQUENCE: 5
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291 taaat 5
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332 <212> TYPE: DNA
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## RAW SEQUENCE LISTING

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Input Set : A:\US10-762040.txt

Output Set: N:\CRF4\08302004\J762040.raw

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366 <210> SEQ ID NO: 16	
367 <211> LENGTH: 5	
368 <212> TYPE: DNA	
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377 <212> TYPE: DNA	
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384 <210> SEQ ID NO: 18	
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387 <213> ORGANISM: Homo sapiens	
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404 <212> TYPE: DNA	
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407 <400> SEQUENCE: 20	
408 tccgaatt	8

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/762,040

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Input Set : A:\US10-762040.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:46; N Pos. 3,4,11,26,28,45,55,57,60,64,68,70,73,77

Seq#:47; N Pos. 6,7

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/762,040

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Input Set : A:\US10-762040.txt

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L:1208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0  
L:1210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:60  
L:1225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0